

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A light-emitting element comprising:

an anode;

a first layer formed over the anode and containing a light-emitting material;

a second layer formed over and being in direct contact with the first layer and containing an organic compound and an electron-supplying material;

a third layer formed over and being in direct contact with the second layer, the third layer including a transparent conductive film;

a fourth layer formed over and being in contact with the third layer and containing a hole-transporting medium; and

a cathode formed over and being in direct contact with the fourth layer, the cathode containing a metal,

wherein the transparent conductive film comprises a material selected from the group consisting of tin oxide, indium oxide, zinc oxide, zinc oxide containing gallium, and molybdenum oxide.

2. (Withdrawn) A light-emitting element comprising:

a first layer containing a light-emitting material;

a second layer containing an organic compound and an electron-supplying material;

a third layer including a transparent conductive film; and

a fourth layer containing a hole-transporting medium,

wherein the first layer, the second layer, the third layer and the fourth layer are sandwiched between a first electrode and a second electrode,

wherein the first layer, the second layer, the third layer, the fourth layer, and the second electrode are provided sequentially over the first electrode,

wherein the fourth layer is in direct contact with the second electrode,

wherein the second electrode contains a metal, and

wherein the transparent conductive film is a metal which is formed thin enough to have a light transparency.

3. (Canceled)

4. (Previously Presented) The light-emitting element according to claim 1, wherein the organic compound contained in the second layer is an electron-transporting organic compound.

5. (Previously Presented) The light-emitting element according to claim 1, wherein the organic compound contained in the second layer is a metal complex having a ligand including a π conjugated skeleton.

6. (Previously Presented) The light-emitting element according to claim 1, wherein the electron-supplying material is an alkaline metal, an alkaline earth metal, or a rare-earth metal.

7. (Previously Presented) The light-emitting element according to claim 1, wherein the electron-supplying material is a metal selected from any one or more of Li, Cs, Mg, Ca, Ba, Er, and

Yb.

8-12. (Canceled)

13. (Previously Presented) The light-emitting element according to claim 1, wherein the fourth layer contains an organic compound and is doped with an electron-accepting material.

14. (Previously Presented) The light-emitting element according to claim 13, wherein the organic compound is a hole-transporting material.

15. (Original) The light-emitting element according to claim 14, wherein the hole-transporting material is an organic compound having an aromatic amine skeleton.

16. (Previously Presented) The light-emitting element according to claim 13, wherein the electron-accepting material is a metal oxide.

17. (Original) The light-emitting element according to claim 13, wherein the electron-accepting material is a compound selected from any one or more of molybdenum oxide, vanadium oxide, and rhenium oxide.

18. (Previously Presented) The light-emitting element according to claim 13, wherein the electron-accepting material is molybdenum oxide.

19. (Previously Presented) An electronic device of which display portion is equipped with the light-emitting element according to claim 1.

20. (Currently Amended) A light-emitting element comprising:

an anode;

a first layer formed over the anode and containing a light-emitting material;

a second layer formed over and being in direct contact with the first layer and containing an organic compound and an electron-supplying material;

a third layer formed over and being in direct contact with the second layer, the third layer including a transparent conductive film comprising a metal;

a fourth layer formed over and being in contact with the third layer and containing a hole-transporting medium and an electron-accepting material; and

a cathode formed over and being in direct contact with the fourth layer, the cathode containing a metal.

21. (Currently Amended) A light-emitting element comprising:

an anode;

a first layer formed over the anode and containing a light-emitting material;

a second layer formed over and being in direct contact with the first layer and containing an organic compound, an electron-supplying material and a first metal oxide;

a third layer formed over and being in direct contact with the second layer, the third layer including a transparent conductive film comprising a metal;

a fourth layer formed over and being in contact with the third layer and containing a hole-

transporting medium and an electron-accepting material; and

a cathode formed over and being in direct contact with the fourth layer, the cathode containing a metal.

22. (Currently Amended) A light-emitting element comprising:

an anode;

a first layer formed over the anode and containing a light-emitting material;

a second layer formed over and being in direct contact with the first layer and containing an organic compound, an electron-supplying material and a first metal oxide;

a third layer formed over and being in direct contact with the second layer, the third layer including a transparent conductive film;

a fourth layer formed over and being in contact with the third layer and containing a hole-transporting medium and an electron-accepting material; and

a cathode formed over and being in direct contact with the fourth layer, the cathode containing a metal,

wherein the transparent conductive film comprises a material selected from the group consisting of tin oxide, indium oxide, zinc oxide, zinc oxide containing gallium, and molybdenum oxide.

23. (Previously Presented) The light-emitting element according to claim 21 or 22, wherein the first metal oxide is one selected from the group consisting of molybdenum oxide, vanadium oxide, rhenium oxide, zinc oxide, tin oxide, and titanium oxide.

24. (Previously Presented) The light-emitting element according to any one of claims 20 to 22, wherein the electron-accepting material is a second metal oxide.

25. (Previously Presented) The light-emitting element according to any one of claims 20 to 22, wherein the electron-accepting material is selected from any one or more of molybdenum oxide, vanadium oxide, and rhenium oxide.

26. (Previously Presented) The light-emitting element according to any one of claims 20 to 22, wherein the electron-accepting material is molybdenum oxide.

27. (Previously Presented) The light-emitting element according to any one of claims 1 and 20 to 22, wherein the first layer is formed in multilayer structure.

28. (New) The light-emitting element according to any one of claims 1 and 20 to 22, wherein the transparent conductive film is thin enough to have light-transmitting properties.